WIVENHOE

URBAN DISTRICT COUNCIL

REPORTS

OF THE

MEDICAL OFFICER of HEALTH

AND

INSPECTOR of NUISANCES

For 1900.

Colchester:

BENHAM AND CO., PRINTERS AND PUBLISHERS.

24, High Street.

Wivenhoe Urban District Council.

Report of the Medical Officer of Health,

FOR 1900.

Mr. Chairman and Gentlemen,

I beg to present to you my report for 1900, prepared in compliance with the order of the Local Government Board.

During the past year there have been 38 deaths as compared with 44 in 1898 and 33 in 1899, and 55 births (29 males and 26 females) against 64 in 1899. The birth rate is 18·9 per thousand, the increase of births over deaths is 17.

The deaths occurred as follows:—

Under 1 year	6
Over 1 and under 5	5
Over 5 and under 15	1
Over 15 and under 25	5
Over 25 and under 65	6
Over 65	15

Assuming the population to be 2900, the death rate is 13·1 per 1000 of the estimated number of inhabitants.

The number of deaths from infantile diseases is greater than last year. The death rate under 5 years of age is 3·79 per 1000 (2·59 in 1899). Of persons of all ages from notified infectious diseases it is 1·03 (·37 in 1899). The death rate of infants under 1 year is 109 per 1000 children born.

The deaths were due to the following causes:--

Diseases	Under 1 year.	Over 1 and under 5 years	Over 5 years.	Total.
Measles	—	1	—	1
Enteric	—	—	3	3
Diarrhœa	—	—	1	1
Phthisis	—	—	2	2
Cancer	—	—	5	5
Bronchitis	1	—	2	3
Heart Disease	—	—	3	3
Accidents	—	1	1	2
Other causes	—	—	—	18
	1	2	17	38

There were 15 cases of infectious diseases notified during the year, namely—

3 Diphtheria
4 Scarlet Fever
6 Enteric
1 Erysipelas
1 Continued Fever

Of these 3 proved fatal from Enteric, 2 in the District and one shorty after removal to Colchester Isolation Hospital.

There has been one flagrant case of contravention of the standing rules with respect to infectious

diseases. In a case of Scarlet Fever, a father had to take care of his child, a girl of 8, with two other children not affected. He nursed the child and then went about his work to a large yard at night time, notwithstanding the Directions for preventing the spread of Infectious Diseases, and a written notice prohibiting him from going to work.

All houses in which there has been infection have been disinfected. In comparing this year with last, the number of infectious cases reported is 15 this year against 30 last year.

In that part of the district called The Cross, there were many cases of Typhoid, which I considered attributable to an infected water supply. I had an analysis made by Dr. Thresh of this water, which was found to contain Typhoid Bacilli. Consequently I ordered a notice to be put up condemning the water and informing the inhabitants of that part of the village of the danger attending its use. Since then the water has not been used except for gardening purposes.

I had bacteriological examination of the Diphtheria cases made by the Research Society and the Diphtheric Bacillus was discovered. Antitoxin was used with satisfactory results in these cases.

During the year my Council made arrangements with the Isolation Hospital, Colchester, to admit

any infectious case from our District for a pecuniary consideration. We are still without an Isolation Hospital.

On Oct 29 I forwarded a special report on the outbreak of measles, to the Local Government Board, on October 29. The Infants' School was closed for fourteen days with very satisfactory results. During the epidemic one child of two years died of the disease. There has been an increase of Cancer in all its forms, no less than five cases having occurred during the year.

WATER SUPPLY.

The District has been put to great expense in the first bore hole, which after being carried to a depth of 500 feet yielded not only a poor supply in quantity but also in quality. On analysis being made, the water was found to contain an excess of chloride of sodium, and consequently the water could not be used. On the advice of Dr. Thresh, who was specially selected by the Council to choose another site a 6-inch bore has been made much farther south, and after reaching a depth of 130 feet, an abundant supply of good water has been obtained. Dr. Thresh has made an analysis of the same and has sent a reply that the sample of water is very satisfactory. It is to be hoped that in the course of a short time Wyvenhoe will be supplied with this

necessary commodity. It is computed that from the new bore upwards of 200,000 gallons can be pumped in the course of 24 hours without any appreciable decrease in the supply.

SCAVENGING AND SEWAGE.

Since my last report the Scavengers have continued to carry out their work in a commendable manner. Until, however, the District is properly sewered, I cannot hope for much improvement in the general health of the place. I believe that the Urban Council is now in direct communication with the Local Government Board with the view of immediately carrying into effect the septic scheme discussed in council last November.

SLAUGHTER HOUSE.

The Slaughter House has not yet been registered or licensed, but it is kept satisfactorily clean. The surroundings, however, leave much to be desired, inasmuch as the yard attached has no proper water supply, is not paved, and has no receptacle for refuse. I have reported this already to my Council, but I was advised that nothing could be done in the matter until the Bye-laws came into existence.

I have paid official visits to the Dairies, Cow-sheds, and Milkshops and found them all beautifully

clean and well ventilated. The bakehouses generally are in a satisfactory condition.

I had the pleasure of showing Dr. Bustrode from the Local Government Board the oyster pits of Wivenhoe. There are two pits, one on the south side of the river—one on the north. The one on the north should not be used as an oyster pit.

I cannot speak too highly of the Sanitary Inspector who has done his work, through the year, most conscientiously.

Appended is his report.

I have the honour to be Gentlemen,

Your obedient servant,

G. PENDER-SMITH.

Wivenhoe Urban District Council.

TABLE I.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		Deaths at all Ages. Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District	Deaths at all Ages. Nett.	
		Number	Rate	Number	Rate per 1,000 Births registered	Number	Rate				Number	Rate
1890	...	...	...	...	...	...	...	...	...	...		...
1891	...	...	...	...	...	...	...	...	...	...	...	...
1892	...	...	...	...	...	...	...	...	...	...	...	...
1893	...	...	...	...	...	...	...	...	...	...	...	...
1894	...	...	...	...	...	...	...	...	...	...	...	...
1895	...	...	...	...	...	...	...	...	...	...	...	...
1896	...	...	...	...	...	...	...	...	...	...	..	...
1897	...	...	...	...	...	...	...	...	...	...	...	...
1898	2700	76	28.1	11	144.7	44	16 2	1	2	1	43	15.7
1899	2700	64	23.7	5	78	33	12.2	...	...	2	35	12.9
Averages for years 189 -1899												
1900	2900	55	18.9	6	109	38	13.1	1	...	2	40	13.7

Area of District in Acres (exclusive of area covered by water) ... 1549

Total Population at all ages 2309
Number of inhabited houses 536
Average number of persons per house 4

} At Census of 1891.

New Urban District formed in 1898.

Wivenhoe Urban District Council.

TABLE II.

Year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 Year.
	a.	*b.*	*c.*	*d.*
1890	...	...	...	...
1891	...	...	...	...
1892	...	...	...	...
1893	...	...	...	...
1894	...	...	...	...
1895	...	...	...	...
1896	...	...	...	...
1897	...	...	...	...
1898	2700	76	44	11
1899	2700	64	33	5
Averages of Years 1890 to 1899.	...	...	...	...
1900	2900	55	38	6

New Urban District formed in 1898.

Wivenhoe Urban District Council.

TABLE III.

Cases of Infectious Disease notified during the Year 1900.

Notifiable Disease.	Cases Notified in Whole District.							No. of Cases Removed to Hospital
	At all Ages.	At Ages—Years.						
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	
Small-pox ...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	..	...
Diphtheria ...	3	1	...	2	...	...	...	...
Membranous croup	...	...	...	...	...	..	...	...
Erysipelas ...	1	...	...	...	...	1	...	...
Scarlet fever ..	4	...	2	1	1	...	...	..
Typhus fever ...	...	...	...	...	..	...	...	2
Enteric fever ...	6	...	...	1	5	...	...	...
Relapsing fever ...	...	...	...	...	...	...	...	...
Continued fever ...	1	...	...	...	...	1	...	...
Puerperal fever ...	...	...	...	...	...	..	...	...
Plague	...	...	...	...	..	...	...	...
Totals	15	1	2	4	6	2	...	2

Wivenhoe Urban District Council.

TABLE IV.

Causes of, and Ages at, Death during Year 1900.

Causes of Death.	Deaths in whole District at subjoined Ages.							Deaths in Public Institutions.
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	
Small-pox	...	...	...	...	...	...	...	...
Measles	1	...	1	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...
Whooping-cough ...	...	...	..	...	...	...	...	...
Diphtheria & membranous croup	...	...	...	...	...	...	...	...
Croup	..	...	...	...	...	...	...	...
Fever — Typhus ...	...	...	...	...	...	..	...	...
Fever — Enteric ...	3	...	...	...	3	...	...	1
Fever — Other continued	...	...	...	...	...	...	...	...
Epidemic influenza ...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...
Diarrhœa	1	...	...	1	...	...	...	...
Enteritis	...	...	...	...	..	...	...	...
Puerperal fever	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...
Other septic diseases ...	...	...	...	...	...	...	...	...
Phthisis	2	...	...	1	1	...	...	...
Other tubercular diseases	...	...	...	...	...	...	...	...
Cancer, malignant disease	5	...	...	...	...	5	...	..
Bronchitis	3	...	1	...	...	...	2	...
Pneumonia	...	...	...	...	...	...	...	...
Pleurisy	...	...	...	...	...	...	...	...
Other diseases of Respiratory organs ...	...	...	...	...	...	...	..	...
Alcoholism } ...	...	...	...	...	...	...	...	..
Cirrhosis of liver }	...	...	...	...	...	...	...	...
Venereal diseases ...	...	...	...	...	...	...	...	...
Premature birth	...	...	...	...	...	...	...	...
Diseases and accidents of parturition	...	...	...	...	...	...	...	...
Heart diseases	3	...	...	...	...	...	3	...
Accidents...	2	...	1	...	1	...	...	...
Suicides	...	..	...	...	...	.	...	...
All other causes	18	...	...	..	...	...	...	...
All causes	38		3	2	5	5	5	1

REPORT OF THE INSPECTOR OF NUISANCES, FOR 1900.

GENTLEMEN,

I beg to present to you a summary of work done through me during the year ending December 31st, 1900.

I have from time to time visited the number of houses mentioned and found the majority of nuisances are caused by Defective Drains, &c., especially in the lower locality where water supplies are insufficient. Pure water is much needed in the parish, and I am glad to say that a good supply is forthcoming from the new Borehole, sunk by Messrs. Le Grand and Sutcliff, Engineers. I have from time to time visited with the Medical Officer the Cowsheds, Dairies, Bake Houses, &c., and always found them satisfactory.

Scavengers with horse and cart are employed by the Council for the purpose of removing the night soil and refuse from cesspits and dust bins. Notices are sent in and taken in rotation for four nights in the week, and two are set apart for emptying pail closets, which at the present time number 136, these are taken in order, Mondays and Fridays. The whole of the work is satisfactorily carried out.

I am, Gentlemen,

Your obedient Servant,

ROBERT HUGH BARRELL.

Wivenhoe Urban District Council.

Summary of Work done through the Sanitary Inspector in the Urban Sanitary District of Wivenhoe during the year ending December 31st, 1900.

		Total Number for Year.
1.	Complaints received	7
2.	Nuisances detected without complaint ...	27
3.	Nuisances abated	30
4.	Notices served	3
5.	Summonses taken out	0
6.	Convictions	0
7.	Cottages inspected	196
8.	Lodging-houses inspected	0
9.	Slaughter-houses inspected	1
10.	Bake-houses inspected	4
11.	Dairies and Milk Shops inspected	5
12.	Cowsheds inspected	3
13.	Workshops inspected	0
14.	Filthy houses cleansed, sec. 46 Public Health Act, 1875	0
15.	Houses disinfected	14
16.	Overcrowding abated	2
17.	Houses placed in habitable repair	0
18.	Houses closed	4
19.	Houses erected 16, and re-built 1	17
20.	Certificates granted for new buildings ...	7
21.	Certificates deferred	0
22.	Wells sunk or improved supplies of water afforded 6in. Borehole 130ft. deep, good supply.	6
23.	Wells cleansed or repaired	0
24.	Wells closed	0
25.	Houses connected with sewers	0
26.	Houses connected with water mains	0
27.	Earth, pail, or improved Privies constructed ...	16
	Existing Privies altered	11
28.	Privies and W.C.'s repaired; W.C.'s supplied with water	11
29.	Cisterns cleansed, repaired or covered ...	0
30.	Animals improperly kept removed	0
31.	Samples of water taken for Analysis ...	2
32.	Compensation paid for destruction of infected bedding	0
33.	Seizures of unsound Meat, &c.	0